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In-situ response test of various borehole depths and heat injection rates at Standing Column Well geothermal heat exchanger systems

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Highlights

- We analyzed the thermal conductivity of a well-type underground heat exchanger.
- We compared data for different borehole depths at 3 injection heat values.
- We analyzed effective thermal conductivity by 3 initial ignoring times.
- There is no linear relationship between rock types and the borehole depth.
- Different rock types have different thermal conductivity characteristics.

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